Appendix A

DUE Inquiry Form

Provide the following information for this DUE:

1. What is the function of this machine?
   The new n0ess01 machine will replace the existing hardware used for our HEW subsetting utility.

2. Who is responsible for paying for hardware/software maintenance for this machine?
   The university of Colorado will purchase and pay for maintenance contracts on this host.

3. Provide the machine model, operating system version, installed service packs, and patch levels
   Sun V880 with be kept current with baselined version of solaris 2.8

4. What services will be running on this system (switch & end hosts included in table)? Fill out Table 1 and add any services not listed.

Table 1. Services Required for this DUE

Service	Ports	Protocol	Required (y/n)	Remarks
Ssh	22	Tcp	Y	Internal net only
Nfs	2049	Udp	Y	Internal net only
http	8000/8001	Tcp	Y	Limited by IP to specific external hosts

5. Who will be responsible for and provide System Administration services for this host/server (in particular, who will be responsible for maintaining patch levels)?
Mark Schwab/Dennis Kemp

6. Does the system need to communicate with systems outside the DAAC (local M&O & DAAC network)?
Yes
7. If the answer to (6) is yes, fill out Table 2.

Table 2. Outside System Information

System Name and IP Address	Services used by this system to communicate via the Internet	Name of responsible person or System Admin for this system
N0ess01u.ecs.nasa.gov ext. name		Mark Schwab/Dennis Kemp
128.138.97.107	http port 8000&8001 limited by firewall rules to specific university workstations.	

8. Does this DUE need to connect to the ECS SAN? If so, provide an estimate of the average amount of data that is expected to be read from and written to the SAN storage per day.
Yes, but will wait for SANergy to be replaced by StorNext. Expect less than 10Gb/day each way to/from SAN.

9. Are any NFS mount points required between this DUE and any other ECS host? If so, provide the names of the ECS hosts and indicate if they are clients or servers. Note: any host connected to the ECS SAN requires a client mount from the MetaData Server.

N0ess01 will automount as a client /home, /tools etc…directories from n0mss01 as do all production network unix machines.
N0ess01 will server out two directories, /HSAOPS and /HSATS1 to n0acs04 only.

10. What are the LAN data throughput requirements for this DUE? Fill out Table 3.

Table 3. LAN Data Throughput Requirements

ECS Subsystem	To (MB/day)	From (MB/day)
N0acs04	Less than 2000mb/day	Less than 10,000mb/day
(note these numbers will decrease once this box is added to SAN)		